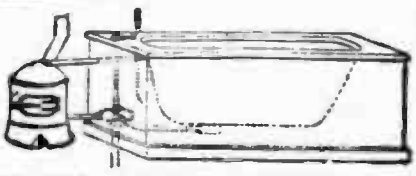
TO ARCHITECTS AND BUILDERS.

THWAITES and REED, original inventors of the spiral door-springs, beg to call the attention of the trade to those manufactured by them, which, for durability and ease in working, are superior to any other; they have been in use upwards of twenty-five years at the Bank of England, and many other public establishments.—Tube has had only at their manufactory, for church and house clocks, counting machines, wind dials, &c. 4, Rumsden-street, Clerkenwell. Established 1760.

COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO., 65, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates and doors of large and small dimensions; a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and double-acting spring hinges, and superior gate fastenings, at moderate prices. Minor gratings and ornamental cast and wrought-iron work, for building and other purposes. Engines, machinery, patent strikers, smiths' &c.



BATHS.—J. TYLOR and SON'S improved APPARATUS, consisting of copper or galvanized iron baths, coated with enamelled white or Sienna marbles inside, copper circulating tube, with three-way cock for hot, cold, and waste water, complete, is MOVEABLE, and does not require any BRICK-WORK. Manufacturers of every description of boilers and cast pipes for heating baths or public buildings, hospitals, conservatories, asylums, &c.—Apply to Ironmongers or Plumbers, or to the Manufacturers, Warwick-lane, London.

WARMING by HOT WATER.—J. WEEKS and Co., KING'S-ROAD, CHELSEA, solicit the honour of Architects to inspect their Hot-Water Apparatus, which is to be seen in their premises, in extensive operation, ornamental Pedestals and Stacks of Pipes in great variety, applicable for warming churches, mansions, entrance-halls, offices, conservatories, &c. TUBULAR BOILERS of all sizes, warranted to be the most efficient and economical of any yet introduced.—J. WEEKS and Co., Hot-Water Apparatus Manufacturers, King's-road, Chelsea.

PATENT FIRE LUMP STOVES.—Drawing-room, Dining-room, Library, and every description of Register stove manufactured under Loudon's Patent. The bottom, sides, and back of the Patent Fire Lump Stove are composed of one fire-brick, which, from its peculiar and scientific construction, effects a great saving in fuel. It has no bottom grating, and the only metallic substance which comes in contact with the fire is the bars. Several new and elegant patterns have been designed expressly for this Stove, which for cheapness in first cost, economy of fuel, and powers of radiating heat, is unsurpassed. Hundreds of them are now in use, and have received unqualified approval.—DEANE, DRAY, and DEANE, Stove, Range, and Fender Manufacturers, and Furnishing Ironmongers, London-bridge.

ARCHITECTS and GENTLEMEN build- ing or renovating their houses are respectfully invited to the extensive SHOW-ROOMS of H. CLEMENT, Bath, where the newest conveniences in Enclosed or REGISTER STOVES and MARBLE CHIMNEY-PIECES, manufactured by steam Power is exhibited. A Sitting-room Marble Chimney-piece and Register Stove, fully fitted, 5l. Marble Chimney-pieces, in great variety, of Bath-stone, Statuary, Italian, Siberian, and other stone from 3l. to 5l. extra. Register Stoves to suit, and shown with them, as from 1l. 5s. to 6l. extra. Kitchen Ranges, of every description, from 3l. to 6l. extra. Lock and Bell Work done in first-rate style. Goods delivered free on any part of the Great Western line.

IRON FOUNDRY, 50, Goswell-street (late of Brick-lane, St. Luke's).—J. JONES, has re-made great additions to his STOCK of PATTERNS, begs to inform the Trade, that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railings, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Trap Doors, Trellis Panelling, Lamp and other Brackets, Cantilevers, Sheet Iron, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN Work, Force Backs, and Troughs, Bath Water Pipes and Stoves, Cash Weights, Furnace Bars, Stoves, Ranges, &c. always in stock.

FOUNDRY AND IRON WORKS,
29, DRURY-LANE, and CHARLES-STREET, DRURY-LANE.
GLOVER, BROS.,
direct the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, from Specifications or Drawings.

Patterns of Iron Columns, Balconies, Railing, Ornamental Girders and Bars, Gates, Lamp and Street Posts, Tanks, Pipes, Wheels, Pinions, Levers, and steam-engine; Range and Hot-plate Metal. An improved Bath Boiler adapted for internal work.

A large stock of Rain-water Pipes, Plain and Ogee Gutters, Air Bricks, Sash Weights, Arcadia Sewer Grates, Mouth Fittings, Hurdles, &c.

Plain and Ornamental Vases 25 per cent. cheaper than Terra-cotta.

Estimates given for Iron Buildings, Wrought-iron Roofing, Greenhouses, Sash-bars, Wrought-iron Girders, Fireproof Doors, Book-cases and Iron Rooms, Tanks and Boilers, and every description of Smiths' work; also Fitting-up, and the work executed with every attention to detail and despatch.

GLOVERS' IRONWORKS,
29, DRURY-LANE, and CHARLES-STREET.

STOVES, RANGES, &c.

HAYWARD, BROTHERS,
Manufacturers, Nos. 111 and 112, Union-street, Borough,
IRON MONGERS, and MANUFACTURERS
Of Self-acting Ranges, Hitherto and Register Stoves, Arnott's Valves, &c.

SOLE MANUFACTURERS OF
HENLY'S patent improved KITCHEN RANGE, with hot plate Wolfenden's patent radiating and reflecting Register Stoves, and SHERINGHAM'S VENTILATOR.

REGISTERED WEATHER BARS AND FASTENINGS,
FOR FRENCH CASEMENTS, DOORS, AND WINDOWS.
SCAMELL AND WOOLTORTON,
WHOLESALE IRONMONGERS, LOCK MANUFACTURERS, AND BRASS FOUNDERS,
73 and 74, WEST SMITHFIELD, LONDON.

SOLE MANUFACTURERS and AGENTS for the sale of the above confidently recommend them as the most perfect method of making casements and doors WEATHERTIGHT and as a SECURE FASTENING. They can be easily applied to new, old, or thin casements or doors, effectually keeping out dust, wind, and rain, and acting also as a FASTENING, have the important advantages of very materially adding, wherever applied, both to COMFORT and SECURITY. Models may be seen and full particulars had, upon application, at Messrs. SCAMELL & WOOLTORTON'S, 74, WEST SMITHFIELD.

TO FLORISTS AND OTHERS.

J. JONES, Iron merchant, has always a great variety of CONICAL and SADDLE BOILERS in STOCK; also fire and furnace bars, ornamental and plain supply cisterns, double doors and frames, furnace grates, and doors for the same, hot water pipes, elbows, tees, syphons, throttle valves, stop cocks, flange and socket elbows, &c. Cash to be through prices. Drawings and prices of the above on application to J. JONES, Iron bridge wharf, No. 6, Bankside, London, near the Southwark Iron Bridge.

TO BUILDERS and CARPENTERS.—
Elliptic Stoves, double backs, 2½d. per inch.
Register Stoves, 3d. 4d. 6½d. 7½d. per inch.
Self-acting Ranges with circular ovens and back boilers, best wrought bars and bright fittings—
2 ft., 3l. 15s. 3 ft. 4 in., 4l. 7s. 4 ft., 5l. 10s.
2-feet Cottage Ranges, with ovens and back boilers, 12s. each.
2-feet self-acting ditto, ditto ..... 30s. each.
Air Bricks, 2s. 6d. per doz.—4-inch Cut Lath Nails, 12s. 6d. per cwt.
Best Patent Cut Clasp—
1½ 1¾ 2 2½ 3 inch and larger.
14s. 6d. 14s. 13s. 12s. 6d. 12s. per cwt.
Best Sheet Floor Brads, 11s. 6d. per cwt.
Best Town Glue, 2os. Ditto, Scotch, 25s. per cwt.
Best Patent Sash Line.
1 2 3 4 5 6
4s. 4s. 6d. 5s. 6d. 7s. 8s. 10s. 6d. per gross.
ALFRED WILLIAMSON, IRONMONGER and STOVE WAREHOUSE, 35, Chiswell-street, Finsbury-square.
Lists of Prices had on application at the Warehouse, or by letter, pre-paid, inclosing postage stamp.—Warehouse closes at 7 o'clock.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 138, Shoreditch.
Strong Elliptic Stoves, with extra back, 3½d. per inch.
Register Stoves, 5d. per inch.
3-ft. Self-acting Cottage Ranges, with Oven and Boilers, 30s. each
3-ft. Self-acting ditto, with wrought bars and bright fittings, 35s. ea.
Cast Rain-water Pipe { 2 2½ 3 inch. 8d. 10d. 1s. per yard.
Cast Gutters { 4 inch, 9d. per yard. 4 4½ inch.
O.G. Gutters ..... { 11d. 1s. per yard.
Best Cut Clasp { 1½ 1¾ 2 2½ 3 inch. 14s. 6d. 14s. 13s. 6d. 12s. 12s. per cwt.
and Rose
Sheet Flooring Brads, 11s. 6d. per cwt.
1-inch Cut Lath, 14s. Cast Lath, 8s. 6d.
4-inch 3-Bolt Rd. Ward Mortice, with Best Furniture and Patent Spindle, 2s. 9d.
Light Elliptic and Register Metal, 12s. per cwt.
Hot Water Pipes, 8s. 6d. per cwt.
Dr. Arnott's Ventilators, 3s. each.
An extensive stock of bar, rod, hoop, and sheet iron.

TO BUILDERS AND CARPENTERS, &c.
J. H. BOOBBYER and CO., late Sturch and Boobbyer, Ironmongers, Brass Foundry, Nail, and Tool Warehouse, No. 14, Stanhope-street, Clare-market, London, for the supply of Carpenters, Builders, Cabinet-makers, Upholders, &c., at wholesale prices.
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Fine Cut Clasp and Rose
1½ 1¾ 2 2½ 3 inch.
14s. 6d. 14s. 6d. 13s. 12s. 6d. per cwt.
Best Bright Tower Bolts
1s. 3d. 1s. 7d. 2s. 3d. 3s. 6d. per dozen.
3 4 5 6 inch.
Best Patent Sash Line.
4s. 4s. 6d. 5s. 6d. 7s. 9s. 10s. 6d. per gross.
No. 1 2 3 4 5 6
Cast Lath Nails, 10s. per cwt. Air Bricks, 3s. 6d. per dozen.
DR. ARNOTT'S VENTILATORS.
10 by - Inches ..... 8s. each.
16 by 8 ..... 20s. "
An assortment in Brass, Bronze & Gilt, &c.
An extensive stock of Mortise Locks, Drawback Locks, Iron Rim Locks, and Latches, of every description, at very reduced prices also Door Furniture, in china, porcelain, metal, ivory, ebony, buffalo horn, brass, &c., with Finger-plates, Bell-pulls, &c., Levers en suite. B. and Co. are the inventors of SHIFTING BOLT MORTISE Locks, &c., so universally approved of.—Established nearly 200 years, for the supply of goods from the best manufactories at the lowest prices.

TO BUILDERS CARPENTERS AND OTHERS.
BENJAMIN WALMSLEY, IRON- MONGER, BRASSFOUNDER, STOVE and RANGE MANUFACTURER, 136 and 137, LONDON-ROAD, Southwark, for the supply of builders, carpenters, cabinet-makers, upholders, blind makers, smiths, &c., at wholesale prices:—
Best Cut Sheet Flooring Brads, 11s. 6d. per cwt.
Best Cut Clasp { 1½ 1¾ 2 2½ 3 in and Rose { 14s. 6d. 14s. 13s. 6d. 12s. 6d. 12s. 6d. per cwt.
Cast Lath, 8s. 6d. per cwt.; Sash Weights, 5s. per cwt.
Sash Pulleys, 8s. per gross.
Cast Butts, per dozen pair—2 in., 1od.; 2½-in., 1s. 2d.; 3-in., 1s. 6d.
Iron Rain-water { 3 2½ 2 in
and Soil ..... { 10d. 9d. 8d. 1s. 1d. per yard.
Half Round ..... { 3 2½ 2 in
Gutter ..... { 12d. 10d. 9d. 1s.
O.G Gutter ..... { 4 3½ 3 in.
11d. 1s. 1s. 6d.
Air Bricks, 3s. 6d. per dozen. Hooping for Bond, 9s. 6d. per cwt.
Dr. Arnott's Ventilators, 3s. 6d. each.
3-ft. Self-Acting Cottage Ranges, with Oven and Boiler, 30s. each.
3-ft. ditto, with Wrought Bars and Bright Fittings, 35s. each.
Register Stoves, with Double Backs, 5d. per inch.
Elliptic Stoves with Double Backs, 3½d. per inch.
Bright Register Stoves, with Two Sets of Bars, from 8l. each.
An excellent variety of Black and Bright Register Stoves kept ready for use at all prices, to which the attention of architects and builders is respectfully invited.
A large assortment of Rim, Mortice, Drawback, Iron Gate, and other kinds of Locks and Latches. An extensive Stock of neat and elegant Door Furniture, in Brass, Porcelain, Glass, and Fancy Woods.
Finger Plates, Levers, and Bell pulls en suite.
Bar, Hoop, Sheet and Rod Iron, and Tyre and Spring Steel.
The stock of this establishment is too extensive to be described in the limits of an advertisement; and it must be correct idea that can be given of it by saying that every trade consuming ironmongery can here select whatever they require at wholesale prices.
WALMSLEY'S, 136 and 137, LONDON-ROAD, SOUTHWARK, six doors from the Obelisk.

JAMES ARTHUR MILES, Wholesale and Manufacturing Brass Founder, 18, Pancras-lane, Queen-street, Cole, respects the attention of the trade to his stock of BRASS FURNITURE, BELL CRANKS, and GAS FURNITURE, comprising a greater variety in each department than has hitherto been kept.
The CRANKS are arranged in twelve suites of different drafts and strengths, and from one to six files. Also in the rough mounted with copper pins, for sacred work. BELL LEVERS and PILLS, in bronze, parti, ivory glass, and china.
In GAS WORK, the whole of the patterns are entirely new. A large assortment of GAS PILLARS, PENDANTS, BRACKETS, and CHANDELIERS. Also CORNICE-POLES, DESK-RAILS, WINDOW-FITTINGS, GASWORKS, and every description of brass work manufactured on the shortest notice.
NO IRONMONGERY OF ANY DESCRIPTION KEPT IN STOCK.
Agent for the sale of W. S. KENNEDY'S CHINA DOOR FURNITURE, with Dixon's Patent Spindles, and whose stock is kept upon the premises. This stock is much larger in amount, and contains a larger variety of patterns than any other. Also,
CHINA LETTERS, GARDEN LABELS, COMMODE KNOBS, OTTOMAN FEET, &c., and a continual succession of novelties at the lowest prices. The above articles, in china, may be had retail of all respectable ironmongers throughout the kingdom.

LIGHTNING CONDUCTORS.—R. S. NEWALL and CO, Patentees of the Copper Rope Lightning Conductor, beg to inform the nobility, clergy, &c. that they supply Lightning Conductors, with the point and all staples complete for fixing, at one shilling the foot, whatever the altitude of the building intended to be protected.
R. S. NEWALL and CO.'S Patent Copper Rope Conductor is being used by architects, engineers, and scientific men in all parts of the kingdom.
References are permitted to Mr. Trimen, of the Adelphi; Mr. James Mitchell, of Leicester. Office and Warehouse, 120, Strand, London.

THE PATENT GALVANIZED IRON.
TUPPER and CARR,
Owners of Crawshay's Patents, and Successors to
THE GALVANIZED IRON COMPANY,
supply patent Galvanized Sheets, plain or corrugated, for roofing &c., Water or Gas Pipes, Castings, Wire of all gauges, Guttering, Hooping, &c. Wholesale, retail, and for export.
An allowance to the trade.
WORKS—WILLWALL and BIRMINGHAM.
LONDON OFFICE, 4, MANSION-HOUSE PLACE.

IRON BUILDING and ROOFING WORKS,
BIRMINGHAM, late of Smethwick.
JOHN H. FORTER,
Manufacturer of the Corrugated and other kinds of Iron Roofing for railway stations, carriage sheds, farm buildings, gas-works, warehouses, factories, &c. &c.
PATENTEE
Of the Corrugated Iron Beams, Girders, and Fire-proof Floors.

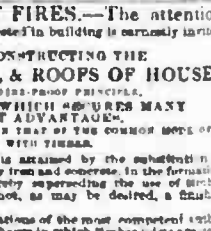
THE CORRUGATED and GALVANIZED IRON ROOF,
PORTABLE BUILDING, AND
NASMYTH'S PATENT FLOORING, ROOFING, AND GIRDER WORKS.
Offices, 65, Greenwich-street.
JOHN WALKER, one of the Patentees of Corrugated Iron, calls the attention of Architects, Engineers, &c., to his List of Prices, which, consistently with good workmanship are extremely low.
Models of the patent iron flooring, corrugated or not, and girders, also, drawings of roofs, on peculiar principles, may be had on application.
Drawings of the iron lighthouses spoken of in the Times and other papers (see the Examiner for February 8th), may be seen by applicant.
References to firms of the highest class can be given.

THE PATENT GALVANIZING and CORRUGATING WORKS, Glass-house Yard (opposite the London Docks).—Messrs. Circus, Minories, JOHN SYMONS and Co., the Proprietors, having made considerable improvements in the process of Galvanizing Iron execute orders to any extent on the shortest notice, and in a manner hitherto unequalled. Iron Sheets, plain or corrugated, for Iron Houses, Sheds, Railway Stations, &c., fixed if required. Wire, Pipine, Guttering, &c., for Home use and Exportation. Goods sent for and returned free of charge, within three miles of the City; and all light goods received by 9 a.m. will be returned the same day if required. A discount allowed to the Trade.

CHEAP GAS FITTING and BELL-HANGING, Public and Private Buildings fitted up with PATENT WELDED IRON TUBES for GAS, at 6d. per foot run. Bells hung in the best secret manner with Porcelain Levers complete, at 8s. per pull.
BARRATT, Gas Fitter and Bellhanger, 7, Arthur-street, Old Kent-road.

CHURCH and TURRET BELLS cast to any weight, and tuned. Ship, plantation, house, sheep, cup, and clock bells of any size.

MUSICAL HAND BELLS
Tuned to the chromatic scale, with improved clappers, and hung on a new system, which gives a superior tone and facility for ringing.
Memorial Brasses, Pulpit Lights, and Brackets, &c.
Old Bells re-cast or taken in exchange.



J. WARNER and SONS,
BELL FOUNDERS,
ENGINEERS, &c.

PREVENTION of FIRES.—The attention of those who are interested in building is earnestly invited to a
METHOD OF CONSTRUCTING THE
FLOORS, CEILINGS, & ROOFS OF HOUSES
ON AN IMPROVED FIRE-PROOF PRINCIPLE,
THE ADOPTION OF WHICH SECURES MANY IMPORTANT ADVANTAGES,
AT A COST NOT GREATER THAN THAT OF THE COMMON MODE OF BUILDING WITH TIMBER.
This most desirable object is attained by the substitution of incombustible materials, chiefly iron and concrete, in the formation of the floors and roofs; thereby superseding the use of timber, &c., but retaining or not, as may be desired, a finished boarded surface for the floors.
From the published investigations of the most competent authorities, it would appear that no houses in which timber joists are used in general security from the danger of fire; but no method of fire-proof building yet introduced has been available for ordinary domestic dwellings on account of the expense. This difficulty is now so entirely removed by the introduction of an improved method of construction, that it is a simple matter of choice whether a building shall be fire-proof or not. Compared, indeed, with the ordinary construction of common floors, the fire-proof method exhibits considerable economy, and the total cost of a building will be still further reduced when the roof is constructed on this improved fire-proof system, which, so far from being merely theoretical, has proved its superiority by a trial of seventeen years; and it not only affords perfect security from the ravages of fire, but insures greatly increased strength and durability in the building, together with freedom from the attacks of dry-rot, and from the annoyance of insects and vermin, for which there is no harbour.
For the object to which public attention is now so especially directed, viz., the construction of improved dwellings for the labouring classes.—This system is peculiarly applicable; for when it is considered that several hundred individuals will generally be congregated under one roof, and in a building probably five or six stories high, it is fearful to contemplate the sacrifice of life which may occur in the event of fire.
The Metropolitan Association, established for this object, have availed themselves of the advantages of this system in the construction of a large block of dwellings for sixty families, just completed in Spitalfields; and several large county lunatic asylums, workhouses, private mansions, dwelling-houses, offices, &c., are also either completed or in course of erection, indicating a wide and extensive appreciation of the advantages of this improved plan of building.
A pamphlet fully descriptive of the system, and all further information, may be obtained on application to the proprietors of the patent, Messrs. FOX and BARRETT, THAMES CHAMBERS, 13, YORK BUILDINGS, ADELPHI.

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